

Title (en)

METHODS FOR DETERMINING AN ANALYTE CONCENTRATION USING SIGNAL PROCESSING ALGORITHMS

Title (de)

VERFAHREN ZUR BESTIMMUNG EINER ANALYTKONZENTRATION UNTER VERWENDUNG VON SIGNALVERARBEITUNGSGRUNDLAGEN

Title (fr)

PROCÉDÉS DE DÉTERMINATION D'UNE CONCENTRATION D'ANALYTE À L'AIDE D'ALGORITHMES DE TRAITEMENT DE SIGNAL

Publication

EP 2957908 A1 20151223 (EN)

Application

EP 15167441 A 20071005

Priority

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- EP 07824036 A 20071005

Abstract (en)

A method for determining an analyte concentration in blood is described that reduces the effects of hematocrit using a test strip (100,500) attached to a test meter (200). The test strip (100,500) includes a working electrode (12,14) and a reference electrode (10). The test meter (200) applies a test voltage between the working electrode (12,14) and the reference electrode (10). After a user applies a blood sample containing an analyte onto the test strip, the test meter (200) measures a plurality of test currents for a test time interval. The test meter (200) thereafter calculates an analyte correlation value. An accurate glucose concentration may be determined based on the analyte correlation value.

IPC 8 full level

G01N 27/327 (2006.01); **G01N 33/487** (2006.01)

CPC (source: EP US)

G01N 27/3273 (2013.01 - EP US)

Citation (applicant)

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